

# LATEST VERSION

## DTM SERIES TOTAL STATION

*“ADVANCE FEATURES AT SIMPLE PRICES”*

The advanced features of this measuring device make surveying more simple and easy. It has different model of high innovative performance.

*DTM-952R* is the latest version i.e. *window based Total Station*. It has high-range capacity of distance measurement, with perfect accuracy in angular measurement. It has both manual as well as automatic mode of correction in input parameter. It possesses double axis liquid electronic sensor compensation. The four line digital has double sided, lattice 240X320 LCD, 3.5 inch *touch screen* display, with powerful battery backup and *easy data transmission using Bluetooth, cable or SD Card*.



### Other features



High range accuracy



Easy data transfer



Microsoft Window  
CE.NET 7.0



Totally sealed  
structure for use in  
any weather.



Standard accessories



<b>MODEL</b>	<b>DTM952R</b>	
<b>TELESCOPE</b>		
Image	Positive image	
Tube length	170mm	
Objective aperture	48mm	
Magnification	30 X	
Viewing angle	1°30'	
Resolution	3.5"	
Mini. Focus distance	1.5m	
Stadia ratio	100	
Sight distance precision	≤0.4%D	
<b>ANGLE MEASUREMENT</b>		
Angle measurement method	Absolute code	
Diameter of Circle(horizontal, vertical)	79mm	
Min. reading displayed	1"	
Measuring unit	360°/400gon/6400mil Selectable	
Vertical angle 0°	Zenith 0°/Horizontal 0°Selectable	
Detection method	Horizontal circle: 2 sides , Vertical circle: 2 sides	
Accuracy	2"	
<b>DISTANCE MEASUREMENT</b>		
Max distance (in good weather)	Singles prism	3.0 Km
	Three prisms	5.0Km
	No-prism	400/600m (optional)
Digital display	Max: 999999.999 m , Min.: 1 mm	
Precision	No-prism 3+2ppm, have prism 2+2ppm	
Unit	m /ft (option)	
Time of measuring	Fine measurement 2 sec. , Tracking 0.8 sec	
Number of measurements	1 - 99	
Meteorologic correction	Automatic correction of input parameter	
Reflection prism correction	Manual input	
Atmospheric refraction and earth curvature correction	Automatic correction of input parameter, K= 0.14	
Prism constant correction	Automatic correction of input parameter	
<b>AUTOMATIC VERTICAL COMPENSATOR</b>		
System	Double axis liquid electronic sensor compensation	
Work range	±3'	
Precision	6"	
<b>LEVEL</b>		
Plate level	20"/2mm	
Circular level	8'/2mm	
<b>LASER PLUMMET</b>		
Laser type	Red visible laser	
Accuracy	1mm at 1.5m instrument height	
Laser spot	2mm/1.5m	
<b>DISPLAY</b>		
Type	Double sides, lattice 240X320 LCD , 3.5 inch touching screen operation	
<b>DATA TRANSMISSION</b>		
Interface	RS – 232, USB, SD Card, Bluetooth	
<b>BATTERY</b>		
Power supply	Rechargeable lithium battery	
Volt.	DC7.4V	
Continuous operation time	BDC 4000mAh, angle measurement: 30hours, distance measurement: 12hours	
<b>OPERATION ENVIRONMENT</b>		
Operating temperature	-20° ~ +55°C	
<b>SIZE AND WEIGHT</b>		
Size	174X207X383mm	
Weight	6.8kg	
OPERATING SYSTEM	Microsoft Windows CE.NET 7.0	
<b>OTHER SPECIFICATION</b>		
Internal memory	100000 measurements	
External memory	4 GB SD Card	
Charger	100/240V, with Indicator	
Protection of dust and water	IP55	



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